

Title (en)

Approach position input device

Title (de)

Eingabegerät mit Positionsannäherung-Erkennung

Title (fr)

Dispositif d'entrée à détection de position d'approche

Publication

EP 1621976 A3 20120502 (EN)

Application

EP 04030284 A 20041221

Priority

JP 2004081823 A 20040322

Abstract (en)

[origin: US2005206565A1] An approach position input device includes a plurality of antennas arranged in the form of a lattice. An oscillator applies a high-frequency ac voltage to the antennas. A signal processing circuit processes signals from the antennas. A change-over switch including switching elements sequentially changes over a connection between the antennas and the signal processing circuit. CPU sends a selection signal to the change-over switch for antenna selection. CPU calculates an approach position of a human body according to signals from the signal processing circuit. CPU instructs the change-over switch to apply the ac voltage from the oscillator only to the antenna selected according to the selection signal.

IPC 8 full level

G06F 3/033 (2006.01); **G06F 3/044** (2006.01); **G01S 13/00** (2006.01); **G06F 3/03** (2006.01)

CPC (source: EP KR US)

G06F 3/03 (2013.01 - KR); **G06F 3/0446** (2019.04 - EP US)

Citation (search report)

- [XYI] EP 0609021 A2 19940803 - AT & T CORP [US]
- [Y] US 5867111 A 19990202 - CALDWELL DAVID W [US], et al
- [A] EP 0229713 A2 19870722 - TEKTRONIX INC [US]

Cited by

DE102006062404A1; EP3163414A4; TWI456444B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

US 2005206565 A1 20050922; US 7012567 B2 20060314; CN 100356304 C 20071219; CN 1673937 A 20050928; EP 1621976 A2 20060201; EP 1621976 A3 20120502; JP 2005267478 A 20050929; JP 4333428 B2 20090916; KR 100690481 B1 20070309; KR 20050094335 A 20050927

DOCDB simple family (application)

US 2358704 A 20041229; CN 200410081806 A 20041230; EP 04030284 A 20041221; JP 2004081823 A 20040322; KR 20040114620 A 20041229